

# CPGE2014

## Research Showcase in Petroleum and Geosystems Engineering

November 6 - 7, 2014 | Thompson Conference Center | The University of Texas at Austin

### Poster Session

Title	Presenter
Uncertainty in Proved Reserves Estimation by Decline Curve Analysis	Woravut Apiwatcharoenkul, MS Student
Fully Coupled Hydromechanical Simulation of Hydraulic Fracturing in Three-Dimensional Discrete Fracture Networks	Mohsen Babazadeh, PhD Candidate
Field Application of Capacitance-Resistance Models to Identify Potential Location for Infill Drilling	Soros Chitsiripanich, MS Student
Potential of Cationic Surfactants for Gas Floods in Carbonate Rocks	Pinaki Ghosh, PhD Candidate
Fast Quantification of Uncertainty in Well Responses Using Connectivity Analysis	Hoonyoung Jeong, PhD Candidate
ES-SAGD Design Using Hybrid Multi-Objective Optimization Approaches	Krupa Kannan /Baehyun Min, PhD Candidates
Stochastic Geological Models of Point-Bar Systems	Henry Li / Kwangjin Lee, PhD Candidates
Experiment and Simulation Study on CO2 Dissolution Trapping	Alex Liang, PhD Candidate
Evaluation of nanopaint based heating for flow assurance in subsea flowlines	Prachi Mehta, MS Student
Numerical and experimental estimation of filtration coefficient	Maryam Mirabolghasemi, PhD Candidate
Persistence of Local Capillary Trapping	Kyle Yuhao Sun, PhD Candidate
Impact of Viscoelastic Polymer Flooding on Residual Oil Saturation in Sandstones	Pengpeng Qi, PhD Candidate
Using semi-circular bending test to investigate the interaction between hydraulic and natural fractures	Weiwei Wang, PhD Candidate
Integration of Micro-seismic data with Geo-mechanical models	Mingyuan Yang, MS Student
The effect of brittle/ductile Layering on natural and hydraulic fracture height growth	Kaimin Yue, PhD Candidate
Understanding the Correlation between Induced Seismicity and Wastewater Injection in the Fort Worth Basin	Valerie Gono, PhD Candidate
Helium porosity, MICP, and N2 adsorption	Chunbi Jiang, PhD Candidate
Pore system characterization using NMR and micro-CT images	Andrew Johnson, MS Student
Using Paramagnetic Nanoparticles to Control Surface Relaxation in Porous Media	Chunxiao Zhu, PhD Candidate
Utilizing Silica Nanoparticles to Improve CO2 Displacements and Storage	Roy Wung, PhD Candidate